



ELECTRONIC TUBE REFERENCE

5C8S

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

High-current Russian double-anode indirectly heated kenotron for AC-to-DC power conversion. Its 5 V heater supports approximately 420 mA DC output and substantial peak-current capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	30 W
PEAK INVERSE VOLTAGE	1700 V
NOMINAL OUTPUT CURRENT	420 mA
PEAK FORWARD CURRENT	1.2 A
Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.	

SECTION2 Rectifier	
MAXIMUM PLATE DISSIPATION	30 W
PEAK INVERSE VOLTAGE	1700 V
NOMINAL OUTPUT CURRENT	420 mA
PEAK FORWARD CURRENT	1.2 A
Second physical rectifier section; promoted electrical properties populated from identical section.	

The 5C8S is a double-anode indirectly heated kenotron for AC rectification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X RUSSIAN

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectified current	400 mA	2 x 500 V AC
Maximum inverse voltage	1700 V	Peak
Maximum rectified current	420 mA	Average
Maximum peak anode current	1.2 A	Published limit
Maximum anode-current surge	5 A	At switching
Maximum anode dissipation	30 W	Published limit

195X RUSSIAN

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectified current	400 mA	2 x 500 V AC
Maximum inverse voltage	1700 V	Peak
Maximum rectified current	420 mA	Average
Maximum peak anode current	1.2 A	Published limit
Maximum anode-current surge	5 A	At switching

1981 Russian Tubes Katsnelson and Larionov

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	>300 mA	Ток анода (при {}(-_75 В) й > 300 мА
Rectified current	500 V	Выпрямленный ток (при /4==500 В !?в—i кОм С=
Service life	>1000 h	Наработка,....—..... >> 1000 ч
Rectified current	>360 mA	выпрямленный ТОК . . ё ва . , 2>360 мА
Rectified current	420 mA	Выпрямленный ток (среднее значение) ое 420 мА
Plate current	1.2 mA	Ток анода (амплитудное значение). , 1,2 мА

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse voltage	17 KB	Обратное напряжение к оао 17 KB

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 2 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	>300 mA	Ток анода (при {}(-_75 В) й > 300 мА
Rectified current	500 V	Выпрямленный ток (при /4==500 В !?в—i кОм С=
Service life	>1000 h	Наработка,....—..... >> 1000 ч
Rectified current	>360 mA	выпрямленный ТОК . . ё ва . , 2>360 мА

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse voltage	17 KB	Обратное напряжение к оао 17 KB



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